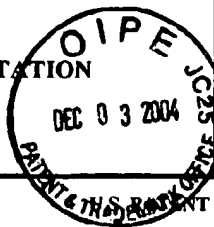


INFORMATION DISCLOSURE CITATION

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Docket Number (Optional)

02230028BB

Application Number

10/803,144

Applicant(s)

Hayashi et al.

Filing Date

3-18-04

Group Art Unit

2652

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
WK	1	2000-163716	6-16-00	Japan	abstract	only	✓	
WK	2	5-94605	4-16-93	Japan	abstract	only	✓	
WK	3	11-213355	8-6-99	Japan	abstract	only	✓	
WK	4	2000-40211	2-8-00	Japan	abstract	only	✓	
WK	5	11-134620	5-21-99	Japan	abstract	only	✓	

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

WK		Japanese Office Action dated October 26, 2004 with English translation of pertinent portions

EXAMINER

Wull

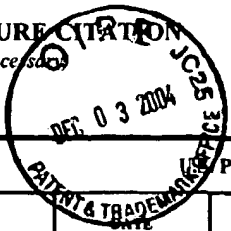
DATE CONSIDERED

12-23-04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
WL	6	11-232616	8-27-99	Japan	abstract	only	✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

WL / KP

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Docket Number (Optional)

02230028BB

Application Number

not assigned

Applicant(s)

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Group Art Unit

not assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WK		US-6,097,579 A	08-2000	Gill, Hardayal Singh			
WK		US-6,333,842 B1	12-2001	Nobuyuki et al.			
WK		US-6,400,536 B1	06-2002	Gill, Hardayal Singh			
WK		US-6,452,204 B1	09-2002	Ishiwata et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
WK		199-0062685	7-26-99	Korea				✓
WK		6-236527	8-23-94	Japan			✓	
WK		10-162327	06-19-98	Japan			abstract	
WK		10-255231	09-25-98	Japan			abstract	
WK		2-61572	03-01-90	Japan				

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WK		Korean Office action dated August 5, 2003 with Japanese translation of the Korean Action and English translation of the Japanese translation
		J. Moodera et al., "Ferromagnetic-insulator-ferromagnetic tunneling: Spin-dependent tunneling and large magnetoresistance in trilayer junctions (invited)", J. Appl. Phys. 79 (8), April 15, 1996
WK		D. Thompson et al., "Thin film magnetoresistors in memory, storage, and related applications", IEEE Transactions on Magnetics, Vol. Mag-11, No. 4, July 1975

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W/K	A	US-6,146,776	11-2000	Fukuzawa et al.			
W/K	B	US-6,181,537	01-2001	Gill, Hardayal Singh			
W/K	C	US-6,275,362	08-2001	Pinarbasi, Mustafa			
W/K	D	US-6,306,266	10-2001	Metin et al.			
W/K	E	US-6,325,900	12-2001	Komuro et al.			
W/K	F	US-6,411,476	06-2002	Lin et al.			
W/K	G	US-6,469,879	10-2002	Redon et al.			
W/K	H	US-6,487,056	11-2002	Gibbons et al.			
W/K	I	US-2001/0014001 A2	08-2001	Aoshima et al.			
W/K	J	US-2002/0167767 A1	11-2002	Jayasekara, Wipul			
W/K	K	US-2003/0035256 A1	02-2003	Hayashi et al.			
	L	US-					
	M	US-					

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
W/K	N	JP 11175920 A	07-1999	Japan				
W/K	O	JP 11316919 A	11-1999	Japan				
W/K	P	JP 2000003507 A	01-2000	Japan				
W/K	Q	JP 2000105912 A	04-2000	Japan				
W/K	R	EP 953849 A2	11-1999	European Patent				
	S							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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